



		Design Alternatives			
Desired Characteristics	Rating	Parallel Track System		Linear Actuating System	
Comfortable	3	2	6	3	9
Easy of Use	5	3	15	4	20
Compatibility with all liners	5	5	25	5	25
Accommodate majority of Patients	4	4	16	4	16
Reduce strain for patient	5	4	20	5	25
Require little or no hand strength	5	5	25	5	25
Require little or no dexterity	5	5	25	5	25
Aid inflexible individuals	5	5	25	5	25
align the pin	5	5	25	5	25
allow independent donning	5	5	25	5	25
cost	3	2	6	3	9
mobility	2.5	3	7.5	3.5	8.75
Compatiblity with pin	5	5	25	5	25
Stability	4	2	8	3	12
Provide adequate force (>8.5 lbs in proximal direction)	5	5	25	5	25
Design Rating		278.5		299.75	



Glider Track System	
5	15
4	20
5	25
5	20
5	25
5	25
5	25
5	25
5	25
5	25
5	15
4	10
5	25
5	20
5	25
325	

Characteristic Rating	1: Ideal to implement. No value added to design.	Component Rating
	2: Ideal to implement. Minimal value added to design.	
	3: Ideal to implement. Would add significant value to design.	
	4: Necessary to implement but not critical to design function.	
	5: Absolutely necessary to implement. Critical to design function.	

1: Does not accomplish goal.
2: Slightly/Possibly accomplishes goal.
3: Possibly accomplishes goal.
4: Accomplishes goal. Some uncertainty.
5: Highest rating: Definitely accomplishes goal.